

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Prior Group Art Unit: 2132

Shinya KADONO

Prior Examiner: G. Barron, Jr.

Serial No.: Rule 1.53(b) Div. of
Serial No. 09/107,457
filed June 30, 1998

Filed: May 18, 2001

For: INFORMATION EMBEDDING METHOD, INFORMATION EXTRACTING
METHOD, INFORMATION EMBEDDING APPARATUS, INFORMATION
EXTRACTING APPARATUS, AND RECORDING MEDIA

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination of the above-identified application,
please enter the following specification changes as noted below:

IN THE CLAIMS:

Please cancel claims 9-10 and 15-16.

Please amend claims 35 and 36 below:

35. (Amended) A computer-readable medium in which a program for executing an information embedding method according to Claim 1 is recorded.

36. (Amended) A computer-readable medium in which a program for executing an information extracting method according to Claim 3 is recorded.

REMARKS

Claims 1-8, 11-14 and 17-36 remain herein. Claims 9-10 and 15-16 have been canceled. Claims 35 and 36 have been amended hereby.

This Preliminary Amendment is submitted to eliminate multiply dependent claims from the above-identified application.

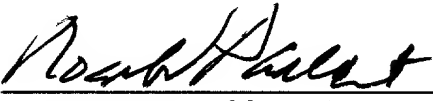
Filed herewith is an Information Disclosure Statement listing all references cited during prosecution of the parent application.

Examination of this application on its merits is respectfully requested.

Respectfully submitted,

PARKHURST & WENDEL, L.L.P.

May 18, 2001
Date



Roger W. Parkhurst
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Attachment:

Mark Up of Amended Claims

RWP/ame

Attorney Docket No. HYAE:077A

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showing the size of the object;

first secret information transforming means for forming a secret information write region, which corresponds to a shape obtained by reducing or enlarging the size of the object to a prescribed size, with reference to the result of the detection by the object size detecting means;

second secret information transforming means for expanding or compressing the secret information write region, thereby to restore the region to its size before the reduction or enlargement; and

composition means for embedding the secret information, which is converted by the second secret information converting means, in the object.

34. An apparatus for extracting secret information from an image signal in which said secret information is embedded by an information embedding apparatus according to Claim 33, comprising:

object size detecting means for detecting the size of the object, from said information showing the shape of the object;

object transforming means for enlarging or reducing the size of the object to a prescribed size, with reference to the result of the detection by the object size detecting means; and

extraction means for extracting the secret information from the object transformed by the object transforming means.

35. A computer-readable medium in which a program for executing an information embedding method according to ~~any of Claims 1, 2, 3, 4, 5, 6, 7, 17, 19, 21, 22, and 24~~ Claim 1 is recorded.

36. A computer-readable medium in which a program for executing an information extracting method according to ~~any of Claims 3, 4, 5, 8, 10, 18, 20, 23, and 25~~ Claim 1 is recorded.